

***Micheal C. Wilson***

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**RESEARCH INTERESTS**

Marine natural product biosynthesis, combinatorial biosynthesis, microbial ecology and environmental genomics.

**EDUCATION**

**University of California in San Diego, Scripps Institution of Oceanography** 09/2006  
Graduate Student, Center for Marine Biotechnology and Biomedicine

**University of California, Los Angeles**  
Bachelor of Science in Biochemistry and Marine Biology 06/2004

**Moorpark College** 07/2001

**AWARDS**

- T.R. and Edith Folsom Graduate Fellowship, 2006-07
- Fred Kavli Scholarship for Biology, 2001
- National Dean's List, 2000-2001

**PROFESSIONAL EXPERIENCE**

**Biological Technician II,** 04/2005- Present  
NOAA/NMFS/Southwest Fisheries Science Center, Aquatic Farms, La Jolla, CA

- Perform field studies using remotely operated vehicle (ROV) to conduct surveys of rockfish and abalone in the Southern California Bight. Deep water video surveys are used to measure species abundance and composition, as well as ground truthing for acoustics data for fisheries management and conservation.
- Field duties include piloting and routine maintenance of ROV, DNA and otolith sampling, recording data, species identification, and assimilation of acoustics data.
- Laboratory duties include data recording and analysis of video surveys, composing charts and graphs for use in published reports, designing Materials and Methods for data analysis, and species identification.

**Quality Analytical Laboratory Analyst I,** 11/2004 – 04/2005  
ACT•1 on-site at Amgen, Thousand Oaks, CA

- Conduct quality analytical testing on products manufactured by Amgen Inc. Perform general assays including; ELISA immunoassays, protein quantification, pH determination, visual assessment, turbidity analysis, and volumetric analysis. Laboratory technician duties include; sample validation and reconciliation, aseptic cleansing and management of nine laboratories, laboratory auditing to ensure GMP compliance, media ordering and buffer preparation.

**Sales Manager,** Express Men 04/1998–12/2004  
Thousand Oaks, CA

**Supplemental Instructor, General Biology I** 08/2000-12/2000  
Moorpark Community College, Moorpark, CA

- Instructed students in general biology topics including; structure and function of macromolecules, cell biology, genetics and mechanisms of evolution.

## RESEARCH EXPERIENCE

**Volunteer Researcher, Scripps Institution of Oceanography, UC San Diego** 11/2005-08/2006

- Researching marine natural product biosynthesis in *Streptomyces* sp.
- Using molecular techniques to characterize a novel prenyltransferase involved in the biosynthesis of bioactive molecules.

**Independent Research Project, UCLA Marine Biology Quarter** 04/2004-06/2004

- Designed and implemented an experiment that examined the correlation between algal calcium carbonate content as a feeding deterrent against the sea urchin *Diadema serotum*.

**Undergraduate research assistant, UC Los Angeles** 01/2003-05/2003

- Reviewed scientific literature of transition metal and metalloenzyme active sites, specifically copper-zinc superoxide dismutase (CuZnSOD).
- Examined the enzyme activity of cupric reductase in wild-type and CuZnSOD deficient strains of *Saccharomyces cerevisiae* (baker's yeast) using spectroscopic techniques.

## CONFERENCE POSTER PRESENTATIONS

Wilson, M.C. (presenter), Pinkard, D.R., Butler, J.L. "Habitat preference and spatial distribution of the Sebastomus subgenus of rockfish (*Sebastes* spp.) in the Southern California Bight". 14<sup>th</sup> Western Groundfish Conference. February 7, 2006. Newport, OR.

## SCUBA DIVING CERTIFICATIONS

American Academy of Underwater Scientists (AAUS) certified to 60 feet (UCLA, SIO)  
NAUI Open Water  
NAUI Advanced Open Water  
NAUI Master SCUBA Diver  
NAUI Rescue Diver

## OTHER INTERESTS

Rock Climbing, Snowboarding, SCUBA Diving, Surfing, Ocean Kayaking, Backpacking, Camping